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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/607,784	06/27/2003	Hiroko Uenaka	MAT-8429US	6472
23122	7590	06/04/2007		
RATNERPRESTIA			EXAMINER	
P O BOX 980			ZHAO, DAQUAN	
VALLEY FORGE, PA 19482-0980				
			ART UNIT	PAPER NUMBER
			2621	
			MAIL DATE	DELIVERY MODE
			06/04/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/607,784		UENAKA ET AL.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Daquan Zhao		2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 April 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4, 7 and 11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 and 11 is/are rejected.
- 7) ☐ Claim(s) 1 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>6/27/2003</u> .   | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Election/Restrictions***

1. Applicant's election without traverse of Group I (Claims 1-4, 7, and 11) in the reply filed on 4/23/2007 is acknowledged.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 2, 3, 7 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Akiba et al (US 6,542,695 B1), in view of Sodeyama et al (US 2002/0,191,951 A1) and further in view of Yamamoto (US 7,043,135 B2).

Regarding claim 1, Akiba et al teach a video signal recording/playback apparatus comprising:

- a recorder for recording a video signal in a recording medium (e.g. figure 2, column 4, lines 30-52, recording signal processing system 2);
- a player for playing back said video signal at a playback position in said recording medium (e.g. figure 2, column 4, lines 30-52, the reproduction signal processing system 4) while said recorder records a recording position of said video signal in said recording

medium (e.g. column 4, lines 10-15, the recording and reproduction operation can be done simultaneously);

- a controller for calculating a time difference between said recording position and said playback position (e.g. column 7, lines 26-41, display the time difference between the video signal during the reproduction and the video signal during the recording);

Akiba et al fail to disclose an on-screen display (OSD) generator for generating and displaying said time difference with said played video signal, said OSD generator displaying said time difference in a unit of seconds if said difference is less than one minute, said OSD generator displaying said time difference in a unit of minutes if said difference is less than 60 minutes and not less than 60 seconds, and said OSD generator displaying said time difference in a unit of hours if said difference is not less than 60 minutes.

Sodeyama et al teach displaying the time in the unit of hour, minute and second (see figure 7, remaining time 78, and paragraph [0065], "0:34:22"), which corresponds to displaying time in a unit of seconds if said time is less than one minute (e.g. according to figure 7, it can display "0:00:22", claim does not omit the unit of hour and the unit of minute), displaying said time in a unit of minutes if said time is less than 60 minutes (e.g. according to figure 7, it can display "0:01:00", claim does not omit the unit of hour and the unit second) and not less than 60 seconds, and displaying said time in a unit of hours if said time is not less than 60 minutes (e.g. claim does not omit the unit of minutes and the unit of second).

It would have been obvious for one ordinary skill in the art at the time the invention was made to combine the teaching of Sodeyama et al and the teaching of Akiba et al to display said time difference in a unit of seconds if time difference is less than one minute, display said time difference in a unit of minutes if said difference is less than 60 minutes and not less than 60 seconds, and display said time difference in a unit of hours if said difference is not less than 60 minutes to let the user easily know whether the indicated program is a currently-broadcasted program or a program represented by a signal reproduced from a recording medium.

Akiba et al and Sodeyama et al fail to specify the OSD.

Yamamoto teaches an on-screen display(OSD) generator for generating and display the OSD signal together with the video signal (e.g. column 2, lines 61-65). It would have been obvious for one ordinary skill in the art at the time the invention was made to incorporate the teaching of Yamamoto into the teaching of Akiba et al and Sodeyama et al to vary the location of the OSD data and adjust the aspect ratio of the video image to increase the display variation and options to the user (e.g. Yamamoto, column 2, lines 56-65)

**Claim 11** is rejected for the same reasons as discussed in claim 1 above.

**Regarding claim 2**, Akiba et al teach produces a signal indicating said time difference based on a numeral indicating said time difference and a term meaning a difference (e.g. column 7, lines 26-40).

**Regarding claims 3 and 7**, Yamamoto teaches OSD generator produces a window displaying said time difference therein and combines said window with said

played video signal (e.g. figure 2A, column 4, lines 36-44, OSD data 22 is displayed on the video display area 21, wherein the area for the OSD data 22 or the area 21 are considered to be a window).

3. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Akiba et al (US 6,542,695 B1), Sodeyama et al (US 2002/0,191,951 A1) and Yamamoto (US 7,043,135 B2) as applied to claims 1, 2, 3, 7 and 11 above, and further in view of Goto et al (US 7,218,837 B2).

**Regarding claim 4**, Akiba et al, Sodeyama et al, and Yamamoto fail to teach OSD generator produces a meter for indicating a recording time of said video signal, a marking for indicating said recording position of said video signal, and a marking for indicating said playback position of said video signal which all are displayed in said window. Goto et al teach OSD generator produces a meter for indicating a recording time of said video signal, a marking for indicating said recording position of said video signal, and a marking for indicating said playback position of said video signal which all are displayed in said window (e.g. figure 4, column 11, lines 1-32, record position mark "F" and playback position mark "B"). It would have been obvious for one ordinary skill in the art at the time the invention was made to incorporate the teaching of Goto et al into the teaching of Akiba et al, Sodeyama et al and Yamamoto to let the user easily know whether the indicated program is a currently-broadcasted program or a program represented by a signal reproduced from a recording medium (Goto et al, column 1, lines 50-55).

**Conclusion**

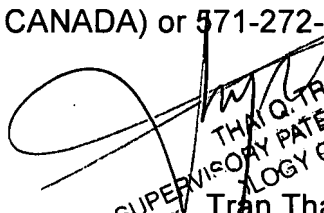
4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. JP- P 2001-118374 A.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daquan Zhao whose telephone number is (571) 270-1119. The examiner can normally be reached on M-Fri. 7:30 -5, alt Fri. off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tran Thai Q, can be reached on (571)272-7382. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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